

## Message Text

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ACTION OES-09

INFO OCT-01 EA-10 ISO-00 ICAE-00 SOE-02 AID-05 CEA-01  
CIAE-00 COME-00 DODE-00 EB-08 DOE-15 H-01 INR-10  
INT-05 L-03 NSAE-00 OMB-01 PM-05 SP-02 SS-15  
STR-07 TRSE-00 ACDA-12 SSO-00 NSCE-00 INRE-00  
NASA-01 DOEE-00 PA-01 (ISO) W  
-----121751 061034Z /10

O 060914Z SEP 78

FM AMEMBASSY TOKYO

TO SECSTATE WASHDC IMMEDIATE 0998

DOE WASHDC IMMEDIATE

DOE GERMANTOWN MD IMMEDIATE

C O N F I D E N T I A L SECTION 01 OF 02 TOKYO 16077

DEPT. PASS TO WHITE HOUSE FOR DR. FRANK PRESS, OSTP;  
AMB. HENRY OWEN, NSC  
PASS TO NASA HQ FOR ADMINISTRATOR FROSCHE  
DOE FOR SECRETARY SCHLESINGER  
OES FOR AMB. PICKERING  
T/CST FOR AMB. WILKOWSKI

E.O. 11652: GDS

TAGS: TATT, ENRG, TECH, JA

SUBJECT: USG/GOJ ENERGY R&D DISCUSSIONS: RECORD  
OF DISCUSSIONS

FOLLOWING IS AGREED TEXT OF RECORD OF DISCUSSIONS RESULT-  
ING FROM MEETINGS HELD IN TOKYO SEPT. 4-6 ON FUKUDA  
INITIATIVE:

1. THE WORKING GROUP ON THE JAPAN/U.S. COOPERATION IN  
SCIENCE AND TECHNOLOGY MET IN TOKYO SEPTEMBER 4-6 TO  
DISCUSS VARIOUS POSSIBLE COOPERATIVE PROJECTS AND ESTIMATED  
COST AND OTHER FACTORS AS SET OUT IN THE REPORTS ATTACHED  
HERETO.

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2. KEEPING IN MIND THE INITIATIVE UNDERTAKEN BY PRIME  
MINISTER FUKUDA IN PROPOSING THIS COOPERATION, THE NEED TO  
DEVELOP FUSION AS AN UNLIMITED ENERGY RESOURCE FOR THE  
21ST CENTURY AND THE IMPORTANCE OF ENSURING SUFFICIENT  
SYNTHETIC PETROLEUM IN THE LATE 1980'S AND THROUGH THE  
CLOSING YEARS OF THIS CENTURY AND IN ORDER TO ADVANCE

THE COOPERATION, THE TWO SIDES AGREED TO PLACE THEIR INITIAL EMPHASIS ON, AND TO MOVE AHEAD AS EXPEDITIOUSLY AS POSSIBLE IN JOINT EFFORTS IN THE FOLLOWING AREAS:

A. FUSION - SPECIFICALLY IN THE AREAS OF

- 1. EXCHANGE PROGRAM
- 2. JOINT RESEARCH ON NON-CIRCULAR PLASMA BY DOUBLET III
- 3. JOINT INSTITUTE FOR PLASMA PHYSICS
- 4. PROMOTION OF JOINT PLANNING

B. COAL CONVERSION, SPECIFICALLY IN THE AREAS OF

- 1. SRC II
- 2. DIRECT HYDROGENATION COAL LIQUEFACTION USING TUBULAR TYPE MOVING BED REACTOR

3. THE TWO SIDES AGREED THAT THEIR JOINT COOPERATION ON THESE TWO PROGRAMS AND OTHER PROGRAMS SHOULD PROCEED ON THE BASIS OF EQUITABLE SHARING OF COSTS AND BENEFITS AND THAT THESE PROGRAMS SHOULD PROCEED ALSO ON THE BASIS OF A BALANCE OF NATIONAL INTERESTS.

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4. THE EXPERTS ALSO AGREED UPON THE IMPORTANCE OF CARRYING OUT JOINT COOPERATION IN THE AREAS OF FUSION (INCLUDING EXPANDED COOPERATION ON EXISTING AND PLANNED TOKAMAK MACHINES) AND COAL (INCLUDING EDS) AS WELL AS PHOTO-SYNTHESIS, WHICH THE PRIME MINISTER POINTED OUT AS ONE OF ESSENTIAL AREAS FOR COOPERATION, GEOTHERMAL, AND HIGH ENERGY PHYSICS AND IDENTIFIED POSSIBLE PROJECTS IN EACH OF THE AREAS. IT WAS AGREED BY THE TWO SIDES TO STUDY THESE EXPERTS' REPORTS WITH THE INTENT OF DETERMINING AS FAR AS POSSIBLE BY THE NEXT MEETING OF THE WORKING GROUP WHICH OF THESE PROJECTS SHOULD BE PURSUED IN JOINT COOPERATION.

5. IN THE INTERIM, THE TWO SIDES AGREED TO EXCHANGE WHATEVER INFORMATION IS REQUIRED FOR THEIR ASSESSMENT OF THE PROPOSED PROJECTS.

6. THE TWO SIDES ALSO RECOGNIZE THAT ADDITIONAL PROJECTS MAY BE PROPOSED BY EITHER SIDE AT THAT TIME.

7. IT IS UNDERSTOOD THAT THE ESTIMATED COSTS GIVEN IN THE

DESCRIPTION OF EACH PROJECT DO NOT IN ANY WAY REPRESENT FINANCIAL COMMITMENTS ON EITHER SIDE AND THAT ACTUAL EXPENDITURES WILL BE SUBJECT TO THE APPROVAL BY THE TWO GOVERNMENTS. IT IS ALSO UNDERSTOOD THAT THESE ESTIMATED COSTS MAY BE SUBJECT TO CHANGE AS A RESULT OF FURTHER TECHNICAL ASSESSMENTS OR OF OTHER CONSIDERATIONS AT A LATER STAGE.

8. THE LEGAL IMPLICATIONS CONCERNING THE PRESENT COOPERATION INCLUDING THE QUESTION OF A POSSIBLE UMBRELLA ARRANGEMENT AND THE QUESTIONS RELATED TO PATENTS AND OTHER INDUSTRIAL PROPERTY RIGHTS, ETC., WILL BE FURTHER

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ACTION OES-09

INFO OCT-01 EA-10 ISO-00 SOE-02 AID-05 CEA-01 CIAE-00

COME-00 DODE-00 EB-08 H-01 INR-10 INT-05 L-03

NSAE-00 OMB-01 PM-05 SP-02 SS-15 STR-07 TRSE-00

ACDA-12 PA-01 SSO-00 NSCE-00 INRE-00 ICAE-00

NSF-01 DOEE-00 NASA-01 (ISO) W

-----121802 061041Z /10

O 060914Z SEP 78

FM AMEMBASSY TOKYO

TO SECSTATE WASHDC IMMEDIATE 0999

DOE WASHDC IMMEDIATE

DOE GERMANTOWN MD IMMEDIATE

C O N F I D E N T I A L SECTION 02 OF 02 TOKYO 16077

STUDIED.

9. THE TWO SIDES AGREED THAT THE NEXT MEETING OF THE WORKING GROUP SHOULD TAKE PLACE IN WASHINGTON AT THE EARLIEST PRACTICAL TIME. MANSFIELD

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## Message Attributes

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**Review Markings:**  
Sheryl P. Walter  
Declassified/Released  
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20 Mar 2014  
**Markings:** Sheryl P. Walter Declassified/Released US Department of State EO Systematic Review 20 Mar 2014